MODIFIED ESTIMATE

BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of Work : Modified Estimate for Asphalting to 12th A cross and other roads in Yelahanka New Town in Ward no:04

Estimated cost : Rs 16.10 Lakhs

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1 **Earth work excavation** by manual means in **ordinary** soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3 (P No 152 Item No. 19.1 of PWD SR 2013								
	5th A cross road	Cum	2	126.00	0.90	0.25	56.70		
	12th A main		2	225.00	0.90	0.25	101.25		
	For removing silt in drain		2	225.00	0.35	0.20	31.50		
							189.45	**65.88**	**12481.00**
	Basic rate	61.00							
	Add 8% AW	4.88							
	Total	**65.88**							
2	KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet **mix macadam** specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of lipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH specification NO. 406, No. 170/ Item No. 20.18/ PWD SR 2013-14								
	5th A cross road	Cum	2	125.00	0.90	0.25	56.70		
	12th A main		2	225.00	0.90	0.25	101.25		
							157.95	**1121.04**	**177068.00**
	Basic rate	1038.00							
	Add 8% AW	83.04							
	Total	**1121.04**							
3	KSRRB M500-6: **providing and applying primer coat with bitumen emulsion** on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH specification NO. 502, No 168 Item No. 21.6 PWD SR 2013-14								
	5th A cross road	sqm	2	125.00	0.90		226.80		
	12th A main		2	225.00	0.90		405.00		
							631.80	**44.28**	**27976.00**
	Basic rate	41.00							
	Add 8% AW	3.28							
	Total	**44.28**							

	KSRRB 500-11: Providing and laying **bituminous macadam** on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 / 75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack cost with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, With 80/100 grade bitumen, **P No. 176 Item No. 21.11.1/ PWD SR 2013-14**								
	5th A cross road	**Cum**	2	125.00	0.90	0.05	11.34		
	12th A main		2	225.00	0.90	0.05	20.25		
							31.59	**6646.32**	**209957.00**
	Basic rate	6154.00							
	Add 8% AW	492.32							
	Total	**6646.32**							
5	KSRRB 500-7: providing and **applying tack coat** on the prepared **black topped surfaces** at 5kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding clearing of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH chapter 5, No. 176 Item No. 21.7 PWD SR								
	5th A cross road	Sqm	1	125.00	4.50		562.50		
	12th A main		1	235.00	6.00		1410.00		
			1	105.00	4.50		472.50		
							2445.00	17.93	43834.00
	Basic rate	16.60							
	Add 8% AW	1.33							
	Total	**17.93**							
6	KSRRB M500-19: providing and laying **bituminous concrete 40mm thick** with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, transporting the hot mix to work site, laying with hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem roller to achieve the desire compaction as per MORTH specification clause No. 500.9 complete in all respects as per specifications. MORTH specification NO. 509, No.179 Item No. 21.22.1 PWD SR 2013-14								
	5th A cross road	**Cum**	1	126.00	4.50	0.04	22.68		
	12th A main		1	235.00	6.00	0.04	56.40		
			1	105.00	4.50	0.04	18.90		
							97.98	**11284.92**	**1105696.00**
	Basic rate	**10449.00**							
	Add 8% AW	835.92							
	Total	11284.92							

	ad for Disposal of Debris shall be payable at carage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 7.00 Km Average Weight of Earth 1.28 Ton/Cum (PWD SR 2010-11 P.118/I.17.1) Basic Rate Lead 1.28x2.0x 7 17.92 loading and unloading 62.20 80.12 /cum				
		Qty. Vide Item No. 1	189.45	80.12	15179.00
8	KRIDL Supervision charges 11%				199100.00
9	Qulaity control charges 1%				18100.00
10	Miscellaneous and unforeseen charges			L.s	609.00
				Total	1810000.00

CERTIFICATE :

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per P.W.D S.R of 2012-13
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
ward No 004

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Satellite Town Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Yelahanka Division

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara Palike
Bangalore 92